

## Message

**From:** Kay, Robert [rtkay@usgs.gov]  
**Sent:** 4/9/2014 4:02:03 PM  
**To:** Nordine, John [nordine.john@epa.gov]  
**Subject:** Re: Techalloy

John--review of 2012 RCRA Corrective Measures Implementation Status Report for the Techalloy facility in Union, Illinois prepared by Autumwood Consultants, revision 1, dated April 2014.

Basically Autumwood did a fair job of incorporating our comments, so in the interest of finalizing this document I'm going to stick with the "must have" revisions that are necessary for essential interpretations and factual accuracy.

page 11 and page 12--both pages contain text with the statements "Irrigation and residential wells were sampled by purging three water column volumes from the well prior to sampling". This statement is factually incorrect and should be deleted from the report.

Figure 5-7. we asked for geologic information to be presented on a cross section that includes the entire length of the plume. this cross section (and the others) does not include geologic information, and it does not include the plant area. the cross section should be revised.

in addition, the label for the y-axis calls this section B-B', which is incorrect.

finally, the title for this figure is uninformative and should be changed to something like "Figure. 5-7. Hydrogeology and distribution of VOCs along line of section A-A', in the vicinity of the Central Wire facility, Union, Illinois, 2012-2013".

figure 5-8. i see no need for the GP-17 and GP-19, they are well off line and provide no additional insight beyond GP16 and GP20.

values of the VOC contours are not provided, or are incompletely provided. contouring on B-B' at GP-16 and GP-17 is wrong. figure caption should be changed.

Table 2-1. There appears to be a falling off of the average daily flow since Sept. 2012. Why? How does this change effect the size of the capture zone relative to the plume?

Attachment 3--a "Summary of Monitoring Well Data..." should include information on all the monitoring wells, not just three. The report should include a single table with pertinent information for all the monitoring wells. This information should ideally include name, land surface altitude, depth of screened interval, well diameter, construction material, and altitude of top of well casing.

Dates of all water-level measurements should be provided.

On Fri, Apr 4, 2014 at 2:05 PM, Nordine, John <nordine.john@epa.gov> wrote:

Bob, I hope you are refreshed from your vacation. I mailed you a copy of Techalloy's re-submittal of the 2012 Status Report. Let me know if you received it. Please review and comment on.

Respectfully,

John Nordine, CPG, LPG  
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"The great end of education is to discipline rather than finish the mind; to train it to use of its own powers rather than to fill it with the accumulation of others." Tryon Edwards

"Don't interfere with anything in the Constitution. That must be maintained, for it is the only safeguard of our liberties" Abraham Lincoln

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